



**Product Market Regulation**

**Robustness and Critical Assessment**

**1998-2003-2007**

Countries' Profiles

Nardo Michela

EUR 23667 EN/2 - 2009

The Institute for the Protection and Security of the Citizen provides research-based, systems-oriented support to EU policies so as to protect the citizen against economic and technological risk. The Institute maintains and develops its expertise and networks in information, communication, space and engineering technologies in support of its mission. The strong cross-fertilisation between its nuclear and non-nuclear activities strengthens the expertise it can bring to the benefit of customers in both domains.

European Commission  
Joint Research Centre  
Institute for the Protection and Security of the Citizen

**Contact information**

Address: Michela Nardo JRC, TP361, Via E. Fermi 2749, 21027 (VA) Italy  
E-mail: [michela.nardo@jrc.ec.europa.eu](mailto:michela.nardo@jrc.ec.europa.eu)  
Tel.: +39-0332-785968  
Fax: +39-0332-785733

<http://ipsc.jrc.ec.europa.eu/>  
<http://www.jrc.ec.europa.eu/>

**Legal Notice**

Neither the European Commission nor any person acting on behalf of the Commission is responsible for the use which might be made of this publication.

***Europe Direct is a service to help you find answers  
to your questions about the European Union***

**Freephone number (\*):  
00 800 6 7 8 9 10 11**

(\*) Certain mobile telephone operators do not allow access to 00 800 numbers or these calls may be billed.

A great deal of additional information on the European Union is available on the Internet. It can be accessed through the Europa server <http://europa.eu/>

JRC49170

EUR 23667 EN/2  
ISBN 978-92-79-11145-7  
ISSN 1018-5593  
DOI 10.2788/64907

Luxembourg: Office for Official Publications of the European Communities

© European Communities, 2009

Reproduction is authorised provided the source is acknowledged

*Printed in Italy*

# **Countries' Profiles**

# AUS

	scores								
	PMR			domains					
	AUS	OECD	BP*	SC			BE		
	AUS	OECD	BP*	AUS	OECD	BP	AUS	OECD	BP
1998	1.56	2.15	1.05	2.6	3.0	1.4	1.6	2.3	1.0
2003	1.15	1.58	0.84	1.7	2.4	1.2	1.3	1.7	1.0
2007	1.22	1.36	0.84	2.0	2.1	0.8	1.1	1.4	0.8

(\*) Best Practice

rank					
PMR		domains			
lin	MCA	SC	BE	BT	
5	5	8	3	4	
4	6	7	4	9	
11	10	14	6	14	

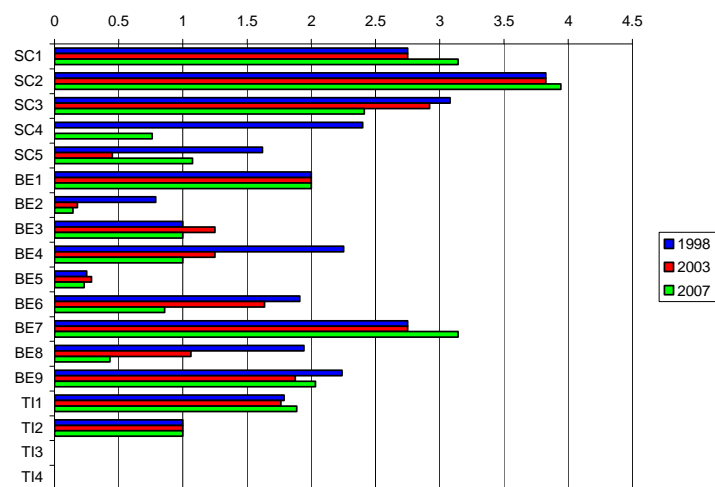
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998					25	40	20	8																			-
2003		8	13	27	13	7	9		18																		
2007					8	5	8	10	9	8	11	11	11	8	6												

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PJO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	-1	0	-1	0	-1	1	1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	0	0	0	0	1	0	0	0	0	-3	2
2003	-3	0	-3	-2	-1	-2	0	0	-1	-2	0	1	-2	-3	0	0	-3	-2	3	-5	-4	-4	-3	-3	-3	1	-2	-2
2007	0	2	-2	1	-1	-1	0	1	0	0	0	3	-2	0	1	0	-1	0	1	-2	-3	-3	-1	0	-3	4	-1	0

## Low level indicators



# AUT

	scores			domains								
	PMR			SC			BE			BT		
	AUT	OECD	BP*	AUT	OECD	BP	AUT	OECD	BP	AUT	OECD	BP
1998	2.20	2.15	1.05	3.8	3.0	1.4	2.1	2.3	1.0	0.7	1.1	0.2
2003	1.67	1.58	0.84	2.8	2.4	1.2	1.7	1.7	1.0	0.5	0.7	0.2
2007	1.41	1.36	0.84	2.1	2.1	0.8	1.3	1.4	0.8	0.9	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
14	12	21	10	9
18	16	18	14	13
18	21	15	13	23

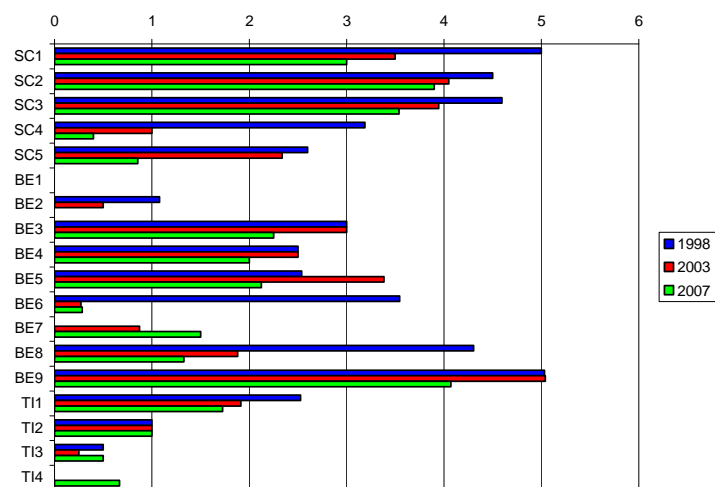
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27	
1998												8	6	20	15	15	8	8	12									-
2003												11		13	18	11	15	14	9									
2007																6	6	6	9	21	17	11	16					

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	2	2	-1	2	5	-3	1	2	1	1	2	1	1	-1	2	3	5	-1	2	6	5	2	6	6	-3	3
2003	0	0	1	-1	0	-2	4	0	-1	0	0	0	0	1	0	0	0	-1	3	-1	-3	2	-1	-2	-1	3	2	0
2007	0	2	2	0	-1	-1	3	1	0	0	-1	3	1	1	2	-2	0	3	4	-5	-4	0	-1	-2	0	-3	1	2

## Low level indicators



# BEL

	scores								
	PMR			domains					
	BEL	OECD	BP*	SC	BE	BT	SC	BE	BT
1998	2.15	2.15	1.05	3.5	3.0	1.4	2.3	2.3	1.0
2003	1.57	1.58	0.84	2.5	2.4	1.2	1.9	1.7	1.0
2007	1.44	1.36	0.84	2.5	2.1	0.8	1.5	1.4	0.8

(\*) Best Practice

rank					
PMR		domains			
lin	MCA	SC	BE	BT	
13	14	17	14	10	
14	11	15	19	5	
19	18	23	19	6	

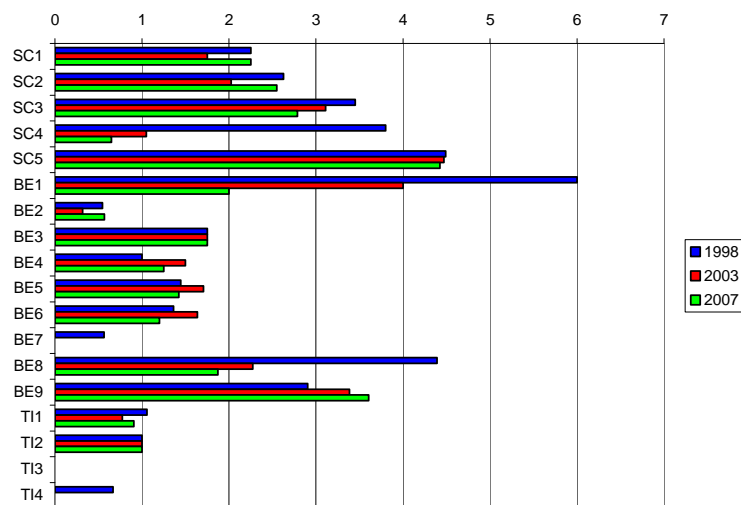
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998			6	6					8	8	15	19	12	7													-
2003		11			7				8	18	16	8	6														
2007						10	6							9	18	10	9	7									

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	-1	0	0	-2	0	-1	-3	2	-1	-1	-1	-1	-1	-2	-1	0	-1	0	-1	7	-6	-5	-2	-3	-4	-5	-2	0
2003	-2	-1	3	-6	4	4	-4	0	-1	0	1	0	-1	0	-1	2	-1	2	-7	8	5	5	5	4	5	2	2	-2
2007	0	0	2	-4	10	3	0	1	0	0	1	0	-1	-1	0	2	0	0	-5	10	6	8	6	5	4	9	3	-4

## Low level indicators



# CAN

	scores			domains								
	PMR			SC			BE			BT		
	CAN	OECD	BP*	CAN	OECD	BP	CAN	OECD	BP	CAN	OECD	BP
1998	1.29	2.15	1.05	1.9	3.0	1.4	1.3	2.3	1.0	0.7	1.1	0.2
2003	1.15	1.58	0.84	1.7	2.4	1.2	1.2	1.7	1.0	0.5	0.7	0.2
2007	0.95	1.36	0.84	1.3	2.1	0.8	1.1	1.4	0.8	0.4	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
3	3	4	1	11
5	5	6	3	12
3	5	3	5	9

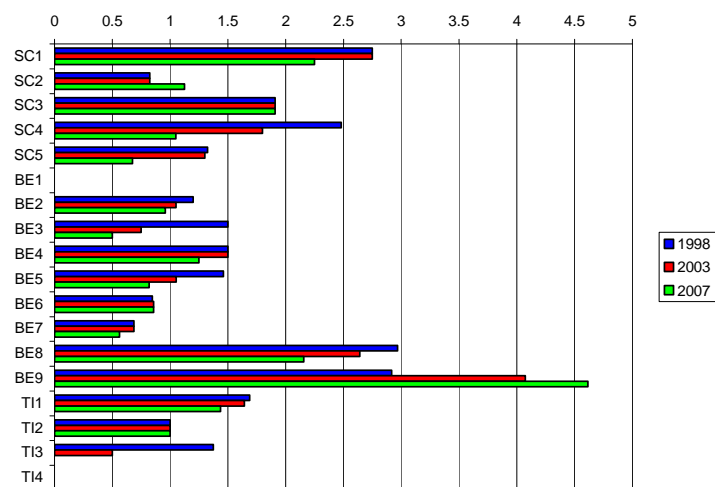
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998		12	19	40	8								10	5													
2003					11	10	15	13	10	8		6	11														
2007			9	17	11	7		10	12	13																	

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	1	-1	-1	2	1	-1	-1	0	-1	-1	0	-1	0	0	0	-1	0	1	-1	1	-1	0	-1	-1	-1	1
2003	2	0	-1	2	-2	-3	3	-1	1	1	-1	-1	0	1	-1	0	1	-2	-6	2	-1	2	2	2	1	1	-2	0
2007	0	-1	-1	1	-3	-3	1	0	0	0	-1	0	-1	0	0	0	-2	-2	-4	0	-1	-1	0	0	0	-3	-1	0

## Low level indicators



CZE

	scores												rank			
	PMR			domains									PMR		domain	
				SC			BE			BT						
	CZE	OECD	BP*	CZE	OECD	BP	CZE	OECD	BP	CZE	OECD	BP	lin	MCA	SC	BE
1998	3.06	2.15	1.05	3.7	3.0	1.4	2.5	2.3	1.0	3.0	1.1	0.2	24	23	18	18
2003	1.86	1.58	0.84	2.8	2.4	1.2	2.1	1.7	1.0	0.7	0.7	0.2	23	22	21	24
2007	1.62	1.36	0.84	2.4	2.1	0.8	1.6	1.4	0.8	0.9	0.6	0.2	24	24	21	20

(\*) Best Practice

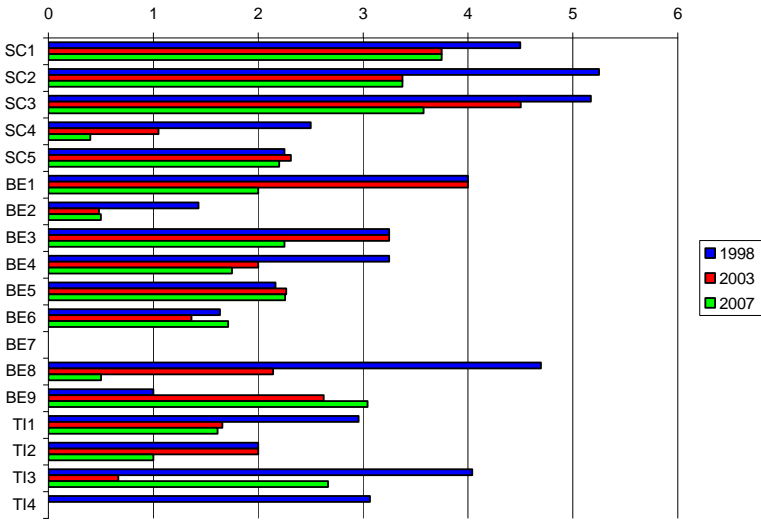
Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																											
2003																				15	30	17	14	15		58	33
2007																						9	10	24	39	7	

Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	TBO	RAO	ABS	BAC	BTI	OBA	SC	BE
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	-1	1
2003	0	0	2	2	2	5	-1	0	0	0	0	0	0	1	0	0	0	0	4	0	3	1	-1	0	1	0	2
2007	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	3	0	1	0	0	3	0	1	1

Low level indicators





# DNK

	scores			domains								
	PMR			SC			BE			BT		
	DNK	OECD	BP*	DNK	OECD	BP	DNK	OECD	BP	DNK	OECD	BP
1998	1.59	2.15	1.05	2.5	3.0	1.4	1.8	2.3	1.0	0.5	1.1	0.2
2003	1.18	1.58	0.84	1.3	2.4	1.2	1.4	1.7	1.0	0.8	0.7	0.2
2007	1.06	1.36	0.84	1.4	2.1	0.8	1.2	1.4	0.8	0.6	0.6	0.2

(\*) Best Practice

rank						
PMR		domains				
lin	MCA					
		SC	BE	BT		
6	7	7	5	6		
7	7	4	6	21		
6	6	4	7	19		

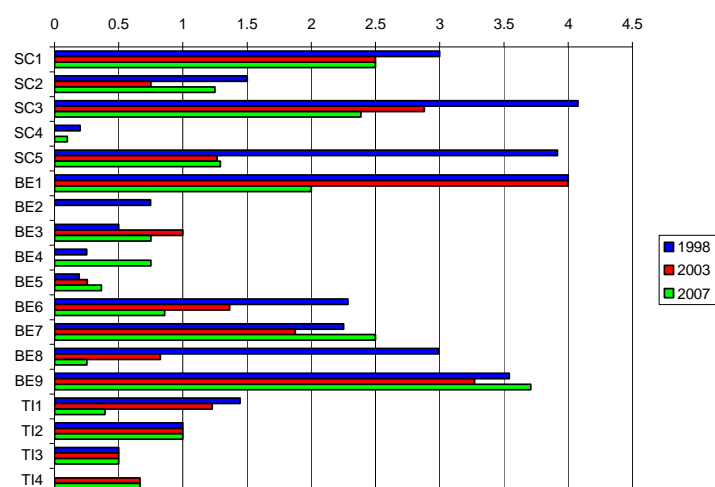
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998				9	10	22	11	8	12																		-
2003				8	10	14	15	10	8								6		11								
2007				6	12	14	10	10	6		11				10												

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	2	0	4	-2	0	1	1	1	0	1	1	1	1	1	1	0	2	2	0	0	2	0	0	2	-1	2
2003	2	1	2	0	3	3	0	2	0	0	0	2	0	2	0	1	2	3	0	3	2	1	2	2	4	-6	2	5
2007	0	-1	0	-1	2	1	-1	0	0	0	0	2	-2	0	0	0	-1	2	-2	1	1	-1	0	-1	2	-6	0	2

## Low level indicators



# FIN

	scores			domains								
	PMR			SC			BE			BT		
	FIN	OECD	BP*	FIN	OECD	BP	FIN	OECD	BP	FIN	OECD	BP
1998	2.10	2.15	1.05	3.1	3.0	1.4	2.4	2.3	1.0	0.8	1.1	0.2
2003	1.31	1.58	0.84	2.1	2.4	1.2	1.4	1.7	1.0	0.5	0.7	0.2
2007	1.21	1.36	0.84	1.8	2.1	0.8	1.4	1.4	0.8	0.5	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
12	17	13	17	15
8	9	9	7	8
10	14	10	18	11

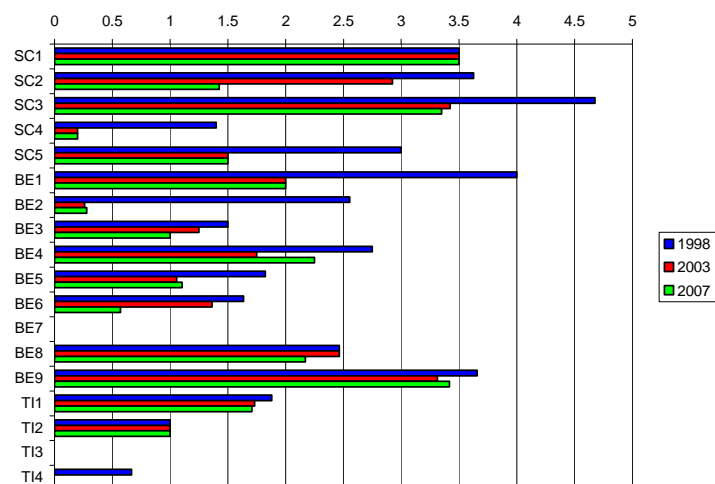
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998					9						29	16	25	14	6												-
2003					9	21	13	39	9																		
2007										11	19	24	27	9													

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	1	3	1	2	2	2	1	1	1	1	1	1	1	3	0	1	0	3	1	1	-1	2	1	1	3	2
2003	2	2	-2	1	-3	2	-4	1	-1	0	-1	0	-1	0	-1	0	0	2	-1	2	4	2	3	3	4	-5	3	3
2007	0	2	-3	1	-4	3	-6	1	-1	1	1	-2	0	1	-1	0	1	2	-1	1	4	-3	1	3	3	-6	1	2

## Low level indicators



# FRA

	scores								
	PMR			domains					
	FRA	OECD	BP*	SC			BE		
	FRA	OECD	BP*	FRA	OECD	BP	FRA	OECD	BP
1998	2.52	2.15	1.05	3.8	3.0	1.4	3.0	2.3	1.0
2003	1.77	1.58	0.84	2.9	2.4	1.2	1.9	1.7	1.0
2007	1.48	1.36	0.84	2.6	2.1	0.8	1.4	1.4	0.8

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
20	22	20	23	14
20	20	23	18	15
20	19	24	15	12

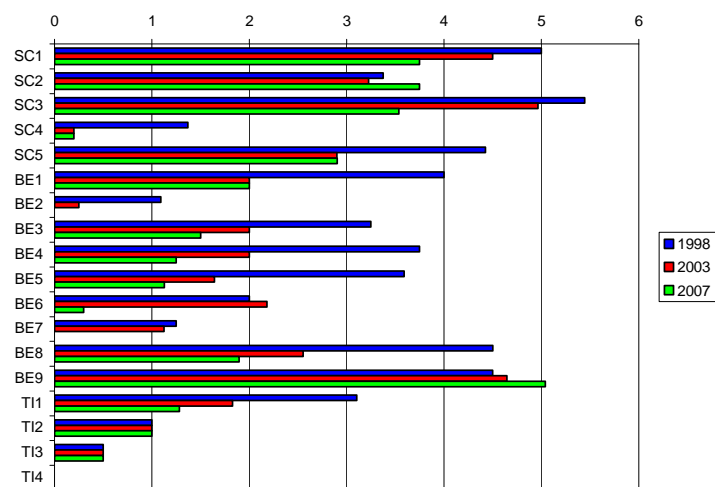
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998															6	14	10	12	20	14	15	7					-
2003													13		16	13	7	9	14	10	8						
2007										6	6	11	9	11	6	10	11	6	9	7							

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PJO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	1	3	1	2	2	2	1	1	1	1	1	1	1	3	0	1	0	3	1	1	-1	2	1	1	3	2
2003	2	2	-2	1	-3	2	-4	1	-1	0	-1	0	-1	0	-1	0	0	2	-1	2	4	2	3	3	4	-5	3	3
2007	0	2	-3	1	-4	3	-6	1	-1	1	1	-2	0	1	-1	0	1	2	-1	1	4	-3	1	3	3	-6	1	2

## Low level indicators



# DEU

	scores			domains								
	PMR											
				SC			BE			BT		
	DEU	OECD	BP*	DEU	OECD	BP	DEU	OECD	BP	DEU	OECD	BP
1998	3.06	2.15	1.05	3.7	3.0	1.4	2.5	2.3	1.0	3.0	1.1	0.2
2003	1.86	1.58	0.84	2.8	2.4	1.2	2.1	1.7	1.0	0.7	0.7	0.2
2007	1.62	1.36	0.84	2.4	2.1	0.8	1.6	1.4	0.8	0.9	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
24	23	18	18	25	
23	22	21	24	19	
24	24	21	20	24	

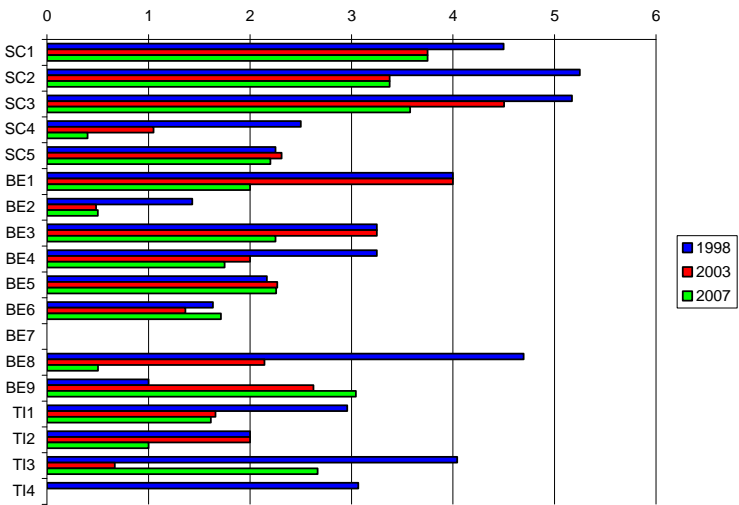
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																											
2003																			15	30	17	14	15		58	33	-
2007																				9	10	24	39	7			

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	-1	1	1
2003	0	0	2	2	2	5	-1	0	0	0	0	0	0	1	0	0	0	0	4	0	3	1	-1	0	1	0	2	-2
2007	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	3	0	1	0	0	3	0	1	1	2

## Low level indicators



# HUN

	scores			domains								
	PMR			SC			BE			BT		
	HUN	OECD	BP*	HUN	OECD	BP	HUN	OECD	BP	HUN	OECD	BP
1998	2.34	2.15	1.05	3.8	3.0	1.4	1.9	2.3	1.0	1.4	1.1	0.2
2003	2.00	1.58	0.84	3.1	2.4	1.2	1.8	1.7	1.0	1.1	0.7	0.2
2007	1.41	1.36	0.84	2.3	2.1	0.8	1.6	1.4	0.8	0.3	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
17	16	22	7	19
24	25	24	15	25
17	13	18	21	5

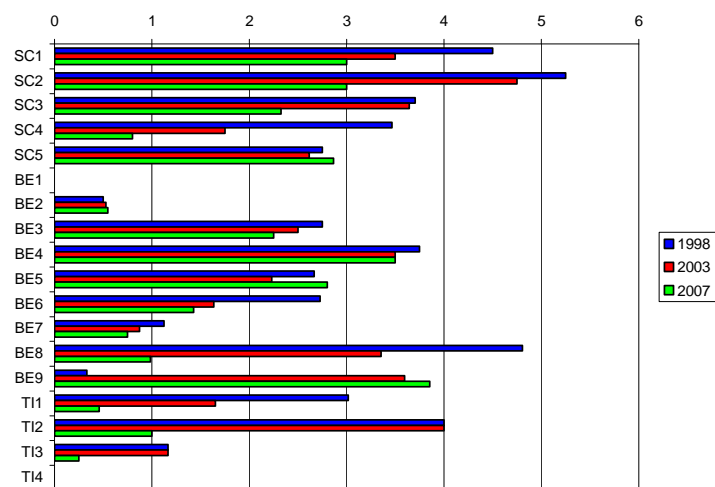
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																		23	10	10	11	25					-
2003																							7	58	31		
2007					11	7							8	6	7	15	12	12									

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	1	1	1	4	-2	1	0	0	0	0	0	1	0	-3	1	4	-3	2	5	3	2	-2	4	-2	5
2003	0	0	0	0	0	0	2	0	0	-1	0	-1	-1	0	0	-1	0	0	-1	0	-1	-1	-1	0	0	0	-1	0
2007	0	0	-1	-2	3	-3	5	-3	2	0	0	0	-2	-1	-1	2	1	-1	-5	5	1	8	3	0	1	1	4	-2

## Low level indicators



# ISL

	scores			domains								
	PMR			SC			BE			BT		
	ISL	OECD	BP*	ISL	OECD	BP	ISL	OECD	BP	ISL	OECD	BP
1998	1.69	2.15	1.05	2.2	3.0	1.4	2.2	2.3	1.0	0.7	1.1	0.2
2003	1.17	1.58	0.84	1.2	2.4	1.2	2.1	1.7	1.0	0.3	0.7	0.2
2007	0.98	1.36	0.84	0.8	2.1	0.8	2.0	1.4	0.8	0.2	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
8	8	5	12	8
6	3	1	22	4
4	1	1	24	1

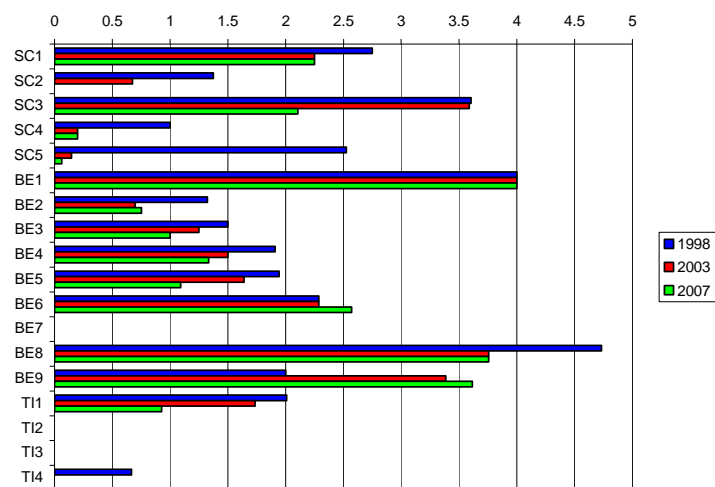
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998					38	13	11	44																			-
2003			8	11	38	19	11																				
2007	8	15	17	12	13	7	7																				

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	1	0	0	-1	1	0	1	1	1	1	1	0	1	0	1	1	-2	3	0	-1	-2	0	0	-2	4	-2
2003	0	-1	3	1	0	1	0	-1	0	1	1	-1	2	0	1	-1	0	1	2	-2	2	2	2	0	0	-12	4	-1
2007	0	-2	2	1	-3	2	-2	-1	0	0	1	-2	1	0	0	-1	1	1	-1	0	3	1	2	0	-1	-15	3	-2

## Low level indicators



# ITA

	scores			domains								
	PMR			SC			BE			BT		
	ITA	OECD	BP*	ITA	OECD	BP	ITA	OECD	BP	ITA	OECD	BP
1998	2.59	2.15	1.05	4.2	3.0	1.4	2.7	2.3	1.0	0.8	1.1	0.2
2003	1.80	1.58	0.84	3.1	2.4	1.2	1.6	1.7	1.0	0.7	0.7	0.2
2007	1.38	1.36	0.84	2.3	2.1	0.8	1.1	1.4	0.8	0.7	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
23	24	25	20	16	
22	18	25	9	20	
15	16	19	4	20	

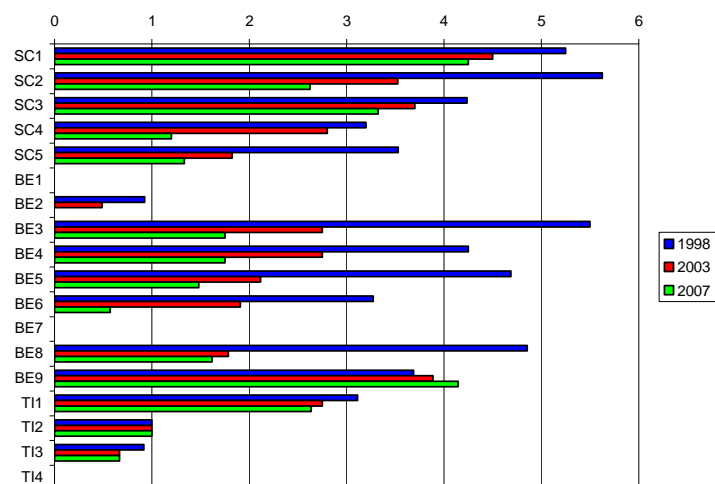
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																		18	6	6	6	15	40	7			-
2003																					9	30	40	6			
2007															6	14	7	18	14	8	13	11					

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PJO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	-3	0	-2	-1	0	-5	-1	0	-1	0	0	0	-1	-2	0	0	-1	-4	0	0	-2	0	0	1	-5	-3
2003	1	2	-1	4	0	-1	3	0	0	1	0	0	0	1	2	-2	0	0	2	2	-1	2	0	0	1	6	-2	1
2007	1	-5	0	-1	-3	-3	2	-1	-1	-1	-1	-1	0	2	1	-4	-2	-5	-1	-2	-3	-1	-3	0	-4	4	-5	-3

## Low level indicators



# JPN

	scores			domains								
	PMR			SC			BE			BT		
	JPN	OECD	BP*	JPN	OECD	BP	JPN	OECD	BP	JPN	OECD	BP
1998	2.24	2.15	1.05	3.2	3.0	1.4	3.1	2.3	1.0	0.4	1.1	0.2
2003	1.57	1.58	0.84	2.6	2.4	1.2	1.9	1.7	1.0	0.2	0.7	0.2
2007	1.11	1.36	0.84	1.4	2.1	0.8	1.4	1.4	0.8	0.5	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
15	9	15	25	3
15	8	16	21	2
8	11	5	16	15

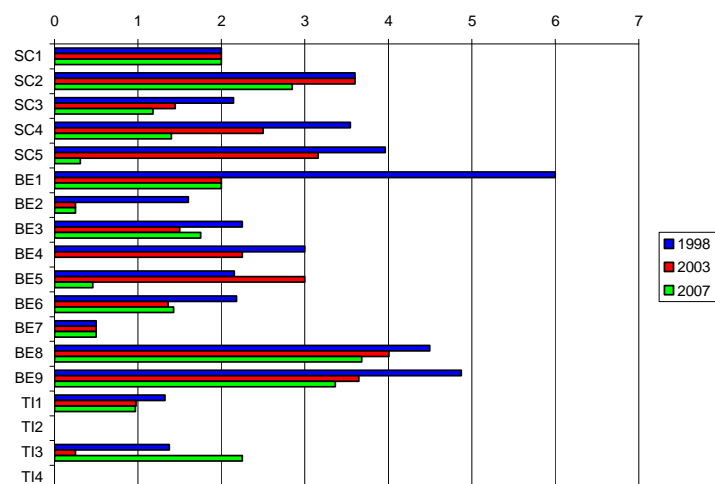
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27	
1998								10	7				13	18	16	9		6										-
2003		6	6	5							6	9	9	19	10	7												
2007						6	7	10	14	9	8	6				7	6	6										

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	-1	0	-3	0	1	-2	-3	1	0	-2	-1	-1	0	0	-1	-1	3	-3	0	6	-6	-6	-5	-6	-3	-3	1	-7
2003	0	3	-1	1	0	-2	-1	-1	1	2	1	0	2	0	1	0	3	4	-7	8	5	8	7	3	4	5	4	-5
2007	-1	3	-2	3	-5	1	0	1	0	0	0	-1	2	0	0	-1	4	-1	-5	1	2	0	3	2	0	-7	3	1

## Low level indicators





# KOR

	scores			domains								
	PMR			SC			BE			BT		
	KOR	OECD	BP*	KOR	OECD	BP	KOR	OECD	BP	KOR	OECD	BP
1998	2.36	2.15	1.05	2.6	3.0	1.4	2.8	2.3	1.0	1.7	1.1	0.2
2003	1.50	1.58	0.84	2.2	2.4	1.2	1.8	1.7	1.0	0.5	0.7	0.2
2007	1.50	1.36	0.84	2.0	2.1	0.8	1.2	1.4	0.8	1.3	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
18	18	9	21	23
12	15	11	17	11
21	17	13	8	25

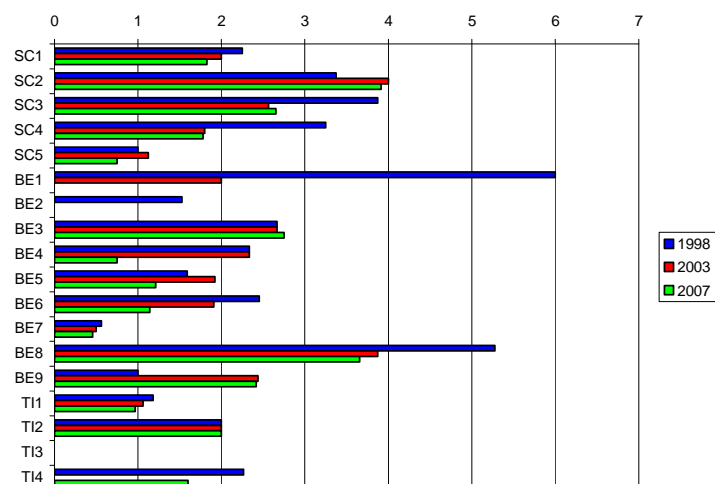
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998												5	6	11	19		12	13	11	5		6					-
2003						11				9	18	22	20	7													
2007																				9	11	30	22				

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	-1	-5	3	-3	1	-1	0	0	0	0	0	-1	0	0	-1	-6	-2	-1	-3	-1	-1	0	-6	4	-3
2003	-1	2	-1	3	-5	-1	-1	1	-1	0	0	0	2	0	0	2	-1	-1	-1	0	-1	1	0	1	-2	-5	2	0
2007	-1	3	0	4	-3	-1	4	2	-2	0	1	0	3	-1	0	3	-2	8	1	3	2	4	4	2	9	-3	-3	9

## Low level indicators



# LUX

	scores			domains								
	PMR			SC			BE			BT		
	LUX	OECD	BP*	LUX	OECD	BP	LUX	OECD	BP	LUX	OECD	BP
1998	-	2.15	1.05	-	3.0	1.4	-	2.3	1.0	-	1.1	0.2
2003	1.55	1.58	0.84	2.5	2.4	1.2	1.7	1.7	1.0	0.5	0.7	0.2
2007	1.56	1.36	0.84	2.5	2.1	0.8	1.7	1.4	0.8	0.5	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
-	-	-	-	-	
13	14	14	13	10	
23	22	22	23	13	

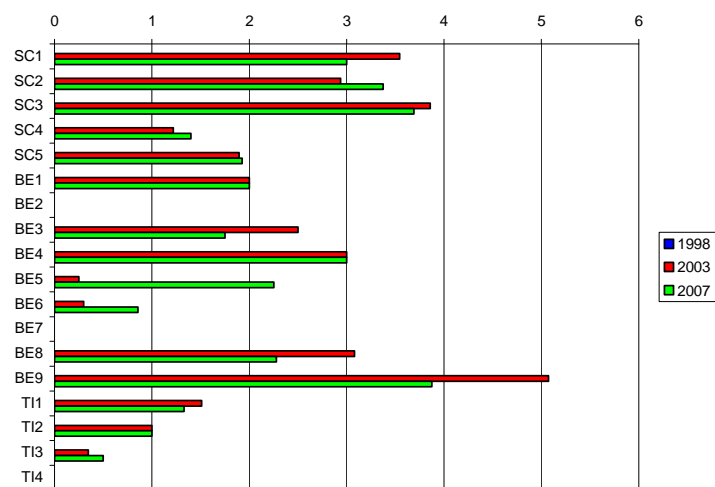
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																											
2003										23	12	22	14	10	7												
2007												7	12						10	20	12	17	9				

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PJO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998																												
2003	1	-3	1	1	-1	-2	-2	0	1	-4	-2	0	-1	2	0	-1	-1	-3	1	-2	-2	-2	-2	-3	-4	2	-1	-1
2007	0	0	0	3	0	2	0	0	1	0	0	0	1	0	0	1	-1	1	0	3	2	3	1	-1	1	3	4	-1

## Low level indicators



# MEX

	scores			domains								
	PMR			SC			BE			BT		
	MEX	OECD	BP*	MEX	OECD	BP	MEX	OECD	BP	MEX	OECD	BP
1998	2.46	2.15	1.05	2.9	3.0	1.4	2.9	2.3	1.0	1.6	1.1	0.2
2003	2.02	1.58	0.84	2.3	2.4	1.2	2.2	1.7	1.0	1.5	0.7	0.2
2007	2.01	1.36	0.84	2.1	2.1	0.8	2.4	1.4	0.8	1.5	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
19	19	11	22	22	
25	24	12	25	26	
25	25	17	26	26	

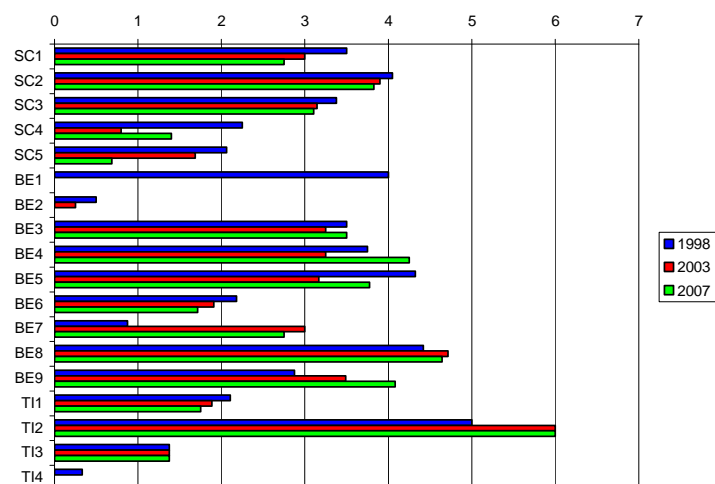
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																	8	11	16	18	11	6	14	7			-
2003																							5	9	54	17	8
2007																								10	55	25	9

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	1	1	1	0	2	0	0	0	0	0	0	0	4	-2	1	4	-2	1	-1	-3	-1	-3	1	4	-2
2003	0	0	0	0	0	0	2	0	0	1	0	1	1	0	0	5	0	0	2	0	1	2	2	4	0	-1	2	6
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	-2	0	0

## Low level indicators



# NLD

	scores			domains								
	PMR			SC			BE			BT		
	NLD	OECD	BP*	NLD	OECD	BP	NLD	OECD	BP	NLD	OECD	BP
1998	1.66	2.15	1.05	2.5	3.0	1.4	2.1	2.3	1.0	0.5	1.1	0.2
2003	1.37	1.58	0.84	1.9	2.4	1.2	1.8	1.7	1.0	0.4	0.7	0.2
2007	1.00	1.36	0.84	1.7	2.1	0.8	1.0	1.4	0.8	0.3	0.6	0.2

(\*) Best Practice

rank						
PMR		domains				
lin	MCA					
		SC	BE	BT		
7	6	6	9	5		
9	10	8	16	7		
5	4	7	3	7		

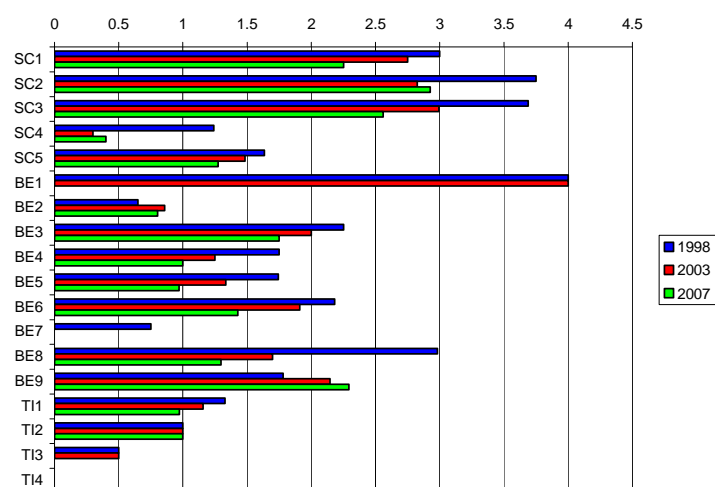
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998						20	46	17																			-
2003							16	20	29	20																	
2007			14	13	14	14	23	12																			

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	-1	0	-2	0	-2	0	-2	0	-1	-1	-1	-1	-1	0	-1	0	-1	-1	0	-3	1	0	0	0	0	0	-2	-2
2003	0	0	0	-1	0	2	-1	0	0	0	0	0	0	0	0	0	0	-1	1	-1	2	-1	-2	1	1	-5	1	0
2007	-2	2	0	-1	2	-3	1	1	0	0	0	0	0	0	0	1	-1	-2	3	-1	-3	-1	-2	0	-1	3	-2	0

## Low level indicators



# NZL

	scores			domains								
	PMR			SC			BE			BT		
	NZL	OECD	BP*	NZL	OECD	BP	NZL	OECD	BP	NZL	OECD	BP
1998	1.85	2.15	1.05	3.0	3.0	1.4	1.8	2.3	1.0	0.7	1.1	0.2
2003	1.48	1.58	0.84	2.4	2.4	1.2	1.3	1.7	1.0	0.7	0.7	0.2
2007	1.16	1.36	0.84	1.9	2.1	0.8	1.2	1.4	0.8	0.4	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
9	10	12	6	13
10	13	13	5	18
9	9	11	10	10

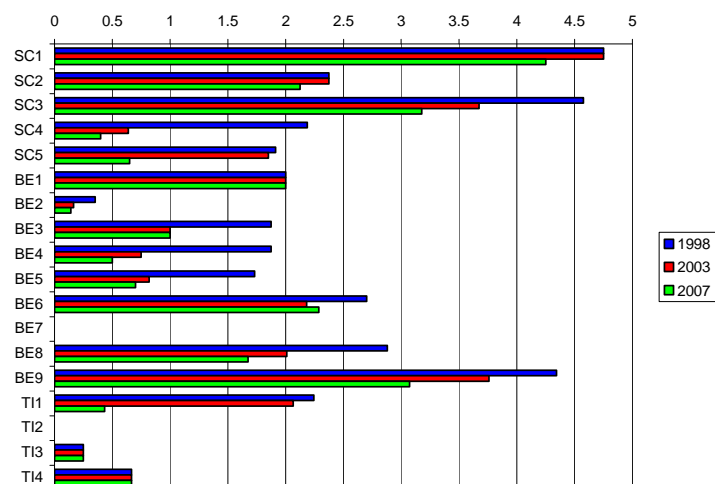
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998								40	34	10																	-
2003									13	8	6	6	8	12	14	20											
2007			6				10	7	16	7			12	10	5	6											

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	1	0	-1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	0	0	1	-2	2
2003	-1	0	-1	-1	0	1	-2	0	0	0	0	-1	0	0	0	0	0	0	1	-2	0	-2	-3	-1	-2	-4	-1	-1
2007	-1	0	0	-2	1	8	-8	0	0	0	-2	0	0	0	0	0	-1	0	-3	1	5	-1	1	2	1	-6	3	-5

## Low level indicators



# NOR

	scores			domains								
	PMR			SC			BE			BT		
	NOR	OECD	BP*	NOR	OECD	BP	NOR	OECD	BP	NOR	OECD	BP
1998	1.85	2.15	1.05	3.0	3.0	1.4	1.8	2.3	1.0	0.7	1.1	0.2
2003	1.48	1.58	0.84	2.4	2.4	1.2	1.3	1.7	1.0	0.7	0.7	0.2
2007	1.16	1.36	0.84	1.9	2.1	0.8	1.2	1.4	0.8	0.4	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
9	10	12	6	13
10	13	13	5	18
9	9	11	10	10

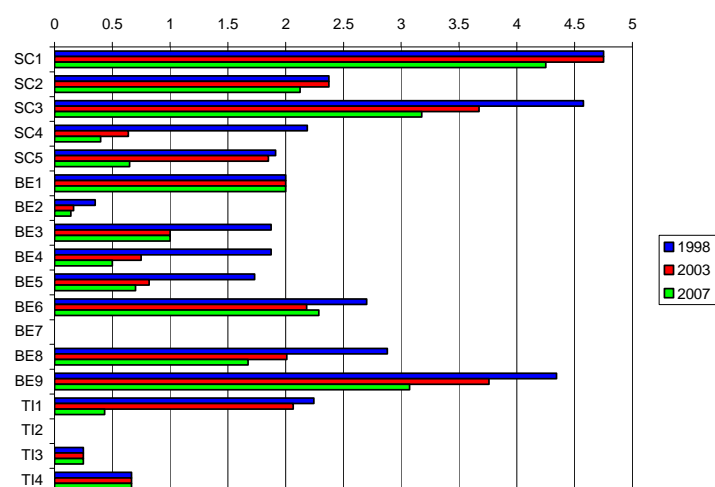
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998								40	34	10																	-
2003									13	8	6	6	8	12	14	20											
2007			6				10	7	16	7			12	10	5	6											

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	1	0	-1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	0	0	1	-2	2
2003	0	0	0	-1	0	2	-1	0	0	0	0	0	0	0	0	0	0	-1	1	-1	2	-1	-2	1	1	-5	1	0
2007	-2	2	0	-1	2	-3	1	1	0	0	0	0	0	0	0	1	-1	-2	3	-1	-3	-1	-2	0	-1	3	-2	0

## Low level indicators



# POL

	scores			domains								
	PMR			SC			BE			BT		
	POL	OECD	BP*	POL	OECD	BP	POL	OECD	BP	POL	OECD	BP
1998	3.75	2.15	1.05	4.0	3.0	1.4	3.1	2.3	1.0	4.2	1.1	0.2
2003	2.74	1.58	0.84	3.7	2.4	1.2	2.5	1.7	1.0	2.1	0.7	0.2
2007	2.41	1.36	0.84	3.4	2.1	0.8	2.3	1.4	0.8	1.6	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
26	25	24	24	26
27	26	26	26	27
27	26	26	25	27

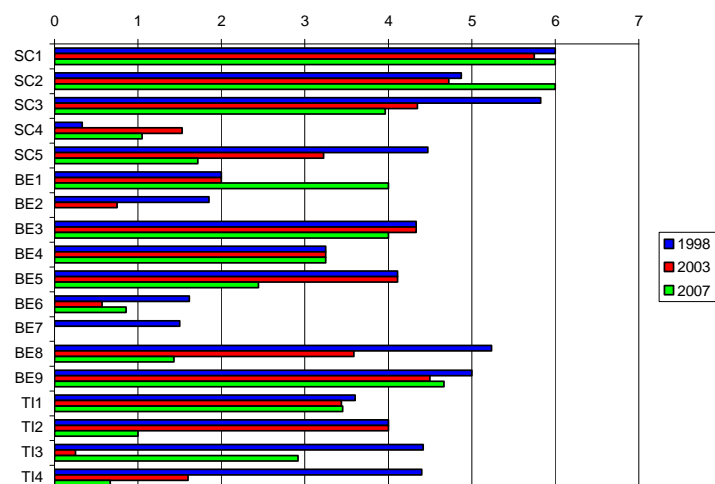
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27	
1998																										8	91	-
2003																										12	86	
2007																										23	75	

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	-1	0	0
2003	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1
2007	0	1	0	1	0	0	1	1	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	1	0	1

## Low level indicators



# PRT

	scores			domains								
	PMR			SC			BE			BT		
	PRT	OECD	BP*	PRT	OECD	BP	PRT	OECD	BP	PRT	OECD	BP
1998	2.25	2.15	1.05	3.9	3.0	1.4	2.2	2.3	1.0	0.7	1.1	0.2
2003	1.63	1.58	0.84	2.8	2.4	1.2	1.6	1.7	1.0	0.5	0.7	0.2
2007	1.54	1.36	0.84	2.7	2.1	0.8	1.3	1.4	0.8	0.6	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
16	11	23	11	7
17	17	20	10	14
22	23	25	14	18

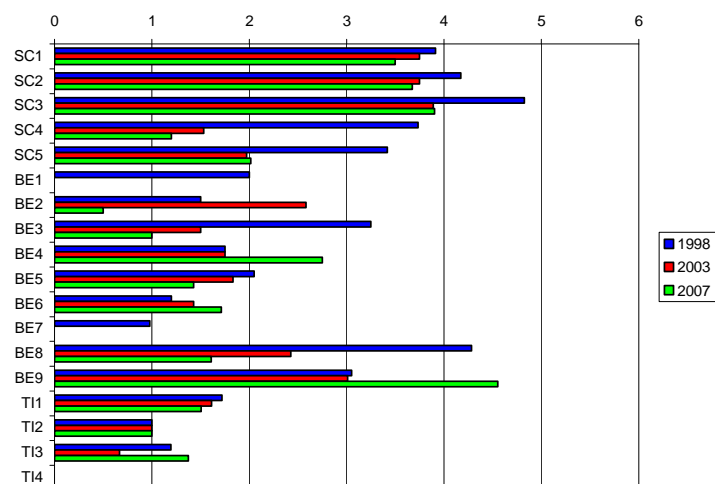
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998												12	8	8	16	28	12	7									-
2003															20	6	11	18	13	9	9						
2007																		9	12	15	24	31	5				

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	1	-1	0	2	1	-1	0	1	1	1	-1	0	1	1	1	0	4	0	-2	1	0	1	2	3	-6	4
2003	-1	-1	1	4	-2	5	-4	2	0	-1	1	0	2	-2	-1	-1	1	0	3	0	5	0	1	2	1	-1	4	-1
2007	1	-2	2	0	-2	-1	-1	0	0	-1	1	-1	2	-3	-2	0	3	-3	2	-3	-2	-2	-3	1	-4	4	-1	0

## Low level indicators





# ESP

	scores			domains								
	PMR			SC			BE			BT		
	ESP	OECD	BP*	ESP	OECD	BP	ESP	OECD	BP	ESP	OECD	BP
1998	1.59	2.15	1.05	2.5	3.0	1.4	1.8	2.3	1.0	0.5	1.1	0.2
2003	1.18	1.58	0.84	1.3	2.4	1.2	1.4	1.7	1.0	0.8	0.7	0.2
2007	1.06	1.36	0.84	1.4	2.1	0.8	1.2	1.4	0.8	0.6	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
6	7	7	5	6	
7	7	4	6	21	
6	6	4	7	19	

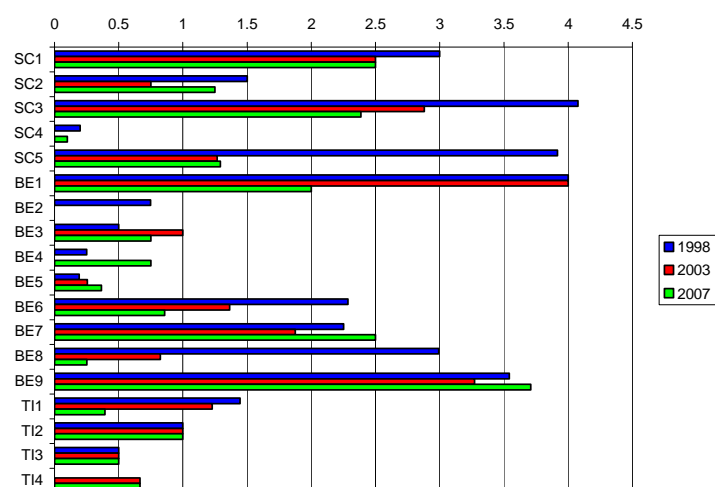
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998				9	10	22	11	8	12																		-
2003				8	10	14	15	10	8								6		11								
2007				6	12	14	10	10	6		11				10												

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	1	0	1	3	1	2	2	2	1	1	1	1	1	1	1	3	0	1	0	3	1	1	-1	2	1	1	3	2
2003	2	2	-2	1	-3	2	-4	1	-1	0	-1	0	-1	0	-1	0	0	2	-1	2	4	2	3	3	4	-5	3	3
2007	0	2	-3	1	-4	3	-6	1	-1	1	1	-2	0	1	-1	0	1	2	-1	1	4	-3	1	3	3	-6	1	2

## Low level indicators



# SWE

	scores			domains								
	PMR			SC			BE			BT		
	SWE	OECD	BP*	SWE	OECD	BP	SWE	OECD	BP	SWE	OECD	BP
1998	1.99	2.15	1.05	2.8	3.0	1.4	2.3	2.3	1.0	0.9	1.1	0.2
2003	1.49	1.58	0.84	2.8	2.4	1.2	1.2	1.7	1.0	0.6	0.7	0.2
2007	1.30	1.36	0.84	2.4	2.1	0.8	1.0	1.4	0.8	0.6	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
10	13	10	13	17
11	12	19	2	16
14	12	20	2	16

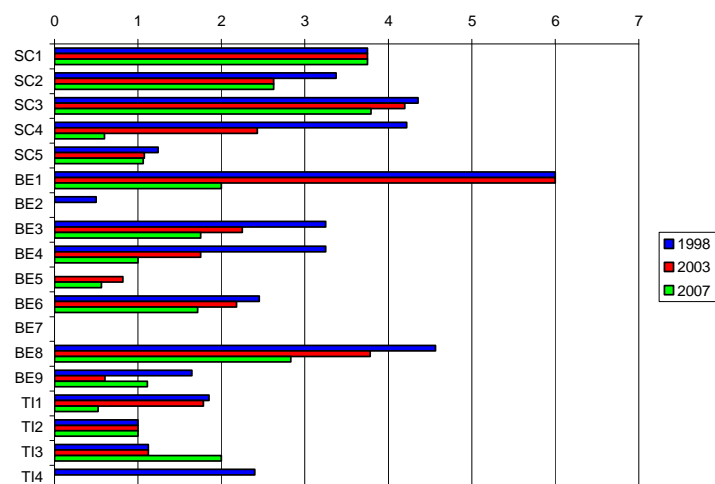
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998															5	7	9	6		14	25	6	22				-
2003																		5	8	15	21	22	15				
2007												6	19	14	14	13	11	8									

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	-1	-3	1	-5	1	-2	-2	1	-2	0	-2	1	0	0	-3	-7	-2	-1	-5	1	0	-1	-5	-1	-1
2003	-1	-1	1	4	-2	5	-4	2	0	-1	1	0	2	-2	-1	-1	1	0	3	0	5	0	1	2	1	-1	4	-1
2007	1	-2	2	0	-2	-1	-1	0	0	-1	1	-1	2	-3	-2	0	3	-3	2	-3	-2	-2	-3	1	-4	4	-1	0

## Low level indicators



# CHE

	scores			domains								
	PMR			SC			BE			BT		
	CHE	OECD	BP*	CHE	OECD	BP	CHE	OECD	BP	CHE	OECD	BP
1998	1.29	2.15	1.05	1.9	3.0	1.4	1.3	2.3	1.0	0.7	1.1	0.2
2003	1.15	1.58	0.84	1.7	2.4	1.2	1.2	1.7	1.0	0.5	0.7	0.2
2007	0.95	1.36	0.84	1.3	2.1	0.8	1.1	1.4	0.8	0.4	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
3	3	4	1	11
5	5	6	3	12
3	5	3	5	9

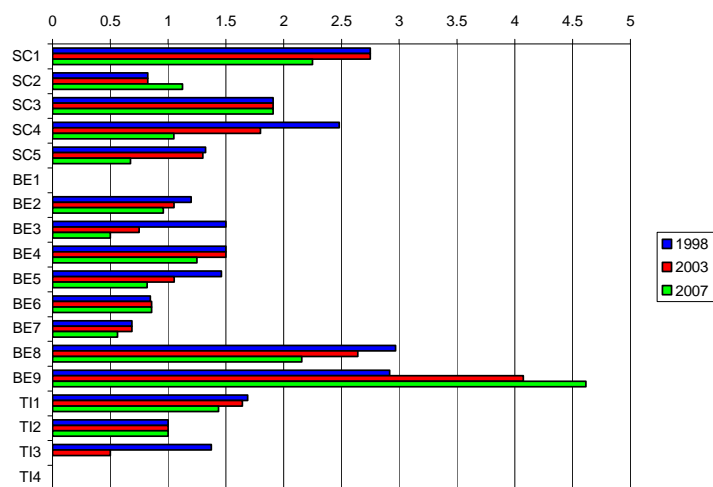
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998		12	19	40									10	5													
2003					11	10	15	13	10	8		6	11														
2007			9	17	11	7		10	12	13																	

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	1	-1	-1	2	1	-1	-1	0	-1	-1	0	-1	0	0	0	-1	0	1	-1	1	-1	0	-1	-1	-1	1
2003	2	0	-1	2	-2	-3	3	-1	1	1	-1	-1	0	1	-1	0	1	-2	-6	2	-1	2	2	2	1	1	-2	0
2007	0	-1	-1	1	-3	-3	1	0	0	0	-1	0	-1	0	0	0	-2	-2	-4	0	-1	-1	0	0	0	-3	-1	0

## Low level indicators



# TUR

	scores			domains								
	PMR			SC			BE			BT		
	TUR	OECD	BP*	TUR	OECD	BP	TUR	OECD	BP	TUR	OECD	BP
1998	3.26	2.15	1.05	4.9	3.0	1.4	3.5	2.3	1.0	1.4	1.1	0.2
2003	2.58	1.58	0.84	4.2	2.4	1.2	2.6	1.7	1.0	1.0	0.7	0.2
2007	2.37	1.36	0.84	3.8	2.1	0.8	2.4	1.4	0.8	0.8	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
25	26	26	26	20	
26	27	27	27	24	
26	27	27	27	21	

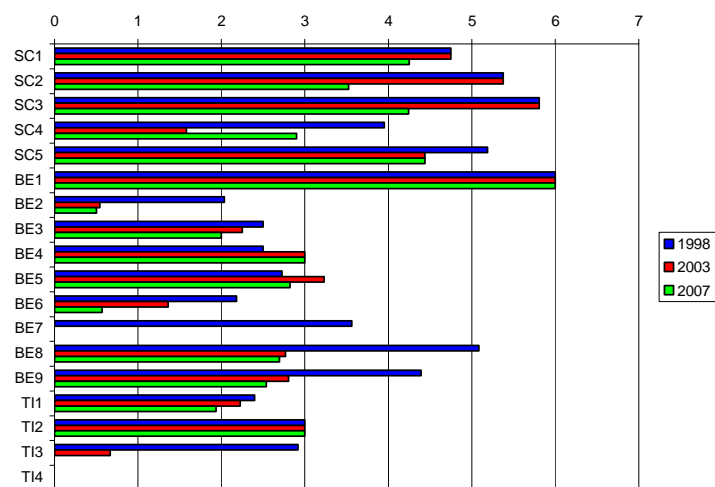
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998																							6	27	59	8	-
2003																								18		70	6
2007																			5			6		8	13	50	15

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PJO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	-1	-1	0	-1	0	1	-1	-1
2003	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	-1	1	0	-1	
2007	0	-1	0	-1	0	0	-1	-1	0	0	0	0	0	-1	-1	0	-1	0	-1	0	1	0	0	0	0	1	0	-1

## Low level indicators



# UKM

	scores			domains								
	PMR			SC			BE			BT		
	UKM	OECD	BP*	UKM	OECD	BP	UKM	OECD	BP	UKM	OECD	BP
1998	1.05	2.15	1.05	1.5	3.0	1.4	1.4	2.3	1.0	0.2	1.1	0.2
2003	0.84	1.58	0.84	1.3	2.4	1.2	1.0	1.7	1.0	0.3	0.7	0.2
2007	0.84	1.36	0.84	1.5	2.1	0.8	0.8	1.4	0.8	0.2	0.6	0.2

(\*) Best Practice

rank					
PMR		domains			
lin	MCA				
		SC	BE	BT	
1	1	3	2	1	
1	2	3	1	3	
2	3	6	1	3	

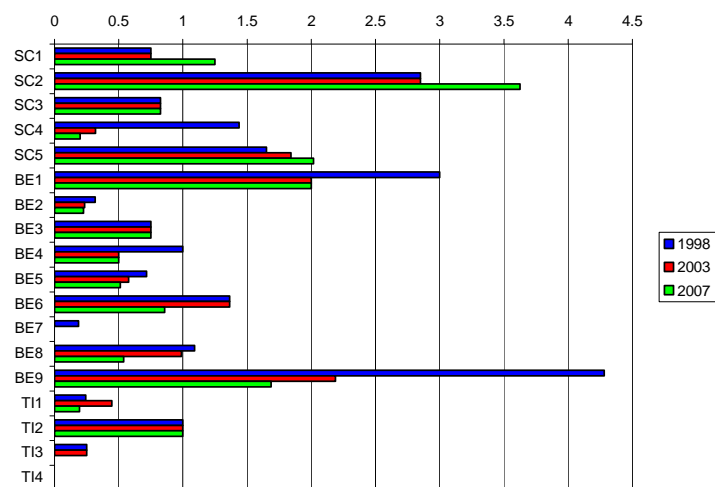
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998	99																										-
2003	80		7	10																							
2007	84	7	8																								

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	0	0	0	0	0	0	0	-2	0
2007	0	1	-1	-2	1	1	-1	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	-2	1	1	1	-1	0

## Low level indicators



# USA

	scores			domains								
	PMR			SC			BE			BT		
	USA	OECD	BP*	USA	OECD	BP	USA	OECD	BP	USA	OECD	BP
1998	1.28	2.15	1.05	1.4	3.0	1.4	2.0	2.3	1.0	0.4	1.1	0.2
2003	1.02	1.58	0.84	1.2	2.4	1.2	1.6	1.7	1.0	0.2	0.7	0.2
2007	0.84	1.36	0.84	1.1	2.1	0.8	1.2	1.4	0.8	0.2	0.6	0.2

(\*) Best Practice

rank				
PMR		domains		
lin	MCA	SC	BE	BT
2	2	1	8	2
2	1	2	11	1
1	2	2	12	2

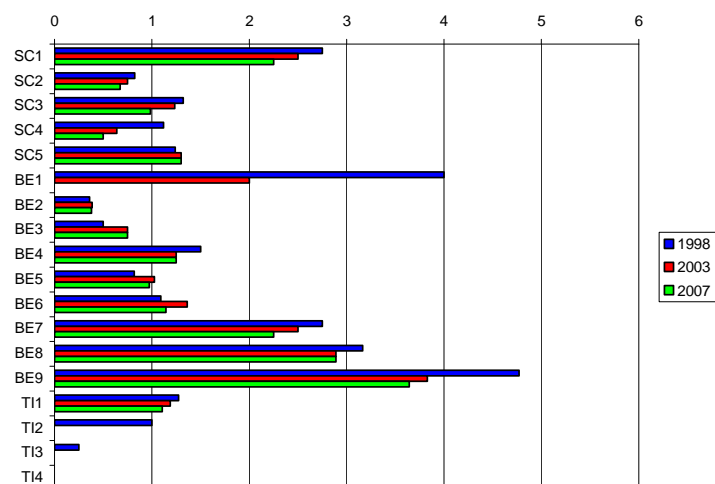
## Frequency matrix of PMR ranking

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 6	Rank 7	Rank 8	Rank 9	Rank 10	Rank 11	Rank 12	Rank 13	Rank 14	Rank 15	Rank 16	Rank 17	Rank 18	Rank 19	Rank 20	Rank 21	Rank 22	Rank 23	Rank 24	Rank 25	Rank 26	Rank 27
1998		60	22	12																							
2003		17	32	28	15																						
2007		6	63	22																							

## Rank shift from the baseline when eliminating one indicator at a time

	SC1	SC2	SC3	SC4	SC5	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	TI1	TI2	TI3	TI4	PUO	IBO	RAO	ABS	BAC	BTI	OBA	SC	BE	BT
1998	0	0	1	1	1	0	0	1	1	0	1	1	0	1	0	0	0	2	0	0	1	0	1	0	2	1	3	0
2003	0	0	0	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	-4	0	0	0	0	0	0	-3	1	-1
2007	0	-1	0	0	-1	-2	0	-1	0	0	-1	0	0	0	0	-1	0	0	-5	0	-2	0	0	-1	-1	-2	-1	0

## Low level indicators



## **European Commission**

### **EUR 23667 EN/2 – Joint Research Centre – Institute for the Protection and Security of the Citizen**

Title: Product Market Regulation, Robustness and Critical Assessment, 1998-2003-2007

Author(s): Michela Nardo

Luxembourg: Office for Official Publications of the European Communities

2009 – 33 pp. – 21 x 29.70 cm

EUR – Scientific and Technical Research series – ISSN 1018-5593

ISBN 978-92-79-11145-7

DOI 10.2788/64907

#### **Abstract**

The construction of a composite indicator (CI) involves stages where choices have to be made: the structure of PMR in domains and sub-domains, the normalization of the original data, the weighting of indicators, domains and sub-domains, and the aggregation method. All these choices will affect both the ranking and the message brought by the CI in a way that deserves analysis and corroboration. Robustness analysis is a powerful tool to test the sensitivity of PMR ranking to the different methodological assumptions. In particular we are interested in three questions. Does the use of one construction strategy versus another provide actually a partial picture of the countries' performance? Which countries have large uncertainty bounds in their rank (volatile countries)? Which are the factors that affect the countries rankings? We employ two strategies to answer to these questions. We consider each methodological choice individually and we study its effect on PMR ranking and we consider all the possible sources of variability together and study its joint effect on the PMR ranking.

### **How to obtain EU publications**

Our priced publications are available from EU Bookshop (<http://bookshop.europa.eu>), where you can place an order with the sales agent of your choice.

The Publications Office has a worldwide network of sales agents. You can obtain their contact details by sending a fax to (352) 29 29-42758.



The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

